

Message

From: Ohl, Matthew [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5BDE479F1AB54A9EBC9541A7D452C3B7-MOHL]
Sent: 11/12/2021 1:33:12 PM
To: Clabaugh, William B CIV USARMY CELRL (USA) [William.B.Clabaugh@usace.army.mil]
CC: Knox, Corey S CIV (USA) [Corey.S.Knox@usace.army.mil]

Non-responsive

Matthew J. Ohl
Remedial Project Manager
United States Environmental Protection Agency
77 West Jackson Boulevard, SR-6J
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From: Julie Konzuk <JKonzuk@Geosyntec.com>
Sent: Wednesday, November 10, 2021 4:22 PM
To: Ohl, Matthew <ohl.matthew@epa.gov>
Cc: Krueger, Thomas <krueger.thomas@epa.gov>; Andrew A Gremos <agremos@ramboll.com>; Gary Wealthall <GWealthall@Geosyntec.com>; Peter Racher <pracher@psrb.com>; Esq. Norm Bernstein <nwbernstein@nwblc.com>; Knox, Corey S CIV (USA) <Corey.S.Knox@usace.army.mil>; Becker, David J CIV USARMY CEHNC (USA) <Dave.J.Becker@usace.army.mil>; Hauber, Erin M CIV USARMY CEHNC (USA) <Erin.M.Hauber@usace.army.mil>; Clabaugh, William B CIV USARMY CELRL (USA) <William.B.Clabaugh@usace.army.mil>; Neighbors, Katie <KNeighbo@idem.IN.gov>
Subject: RE: Comments and Authorization to Proceed: Envirochem Biorecirculation Investigation Work Plan

Matt,

Please find attached the final ECC Biorecirculation Design Investigation Work Plan and a response to the comments below to memorialize the discussions that we had during our call on September 29. As noted in the response to comment memorandum, we have updated the work plan to include the second sampling location within the former cooling pond (in place of the former sump as discussed), added in the sampling SOP for the microbial analysis and updated the wording as requested in comments 5 and 6.

The QAPP is currently in progress of being updated by Ramboll. We are also currently working through the sub procurement process. At this time, we anticipate completing the groundwater sampling at existing wells in December in tandem with the semi-annual sampling event. The injection test is weather dependent as we will need temperatures above freezing for that work, so the schedule for that is TBD. We are also looking at the former cooling pond investigation to be delayed into the new year due to a lack of driller availability. Ramboll will follow up with more specific dates as we get closer.

Please let us know if you have any questions or concerns.

Regards,

Julie

Julie Konzuk, Ph.D., P.Eng. (ON)

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From: Ohl, Matthew <ohl.matthew@epa.gov>

Sent: Monday, September 27, 2021 11:38 AM

To: Julie Konzuk <JKonzuk@Geosyntec.com>

Cc: DPetroff <DPetroff@idem.IN.gov>; Krueger, Thomas <krueger.thomas@epa.gov>; Andrew A Gremos <agremos@ramboll.com>; Gary Wealthall <GWealthall@Geosyntec.com>; Peter Racher <pracher@psrb.com>; Esq. Norm Bernstein <nwbernstein@nwblc.com>; Knox, Corey S CIV (USA) <Corey.S.Knox@usace.army.mil>; Becker, David J CIV USARMY CEHNC (USA) <Dave.J.Becker@usace.army.mil>; Hauber, Erin M CIV USARMY CEHNC (USA) <Erin.M.Hauber@usace.army.mil>; Clabaugh, William B CIV USARMY CELRL (USA) <William.B.Clabaugh@usace.army.mil>

Subject: Comments and Authorization to Proceed: Envirochem Biorecirculation Investigation Work Plan

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Julie,

The United States Environmental Protection Agency and the Indiana Department of Environmental Management have reviewed the Biorecirculation Investigation Work Plan and provide authorization to proceed with the investigation upon incorporation of the following comments.

1. A conservative tracer should be introduced when conducting the injection tests. The arrival of the tracer, presumably after startup of the system, would provide verification of flow paths and rough travel times.
2. The sampling method for the microbial analysis needs to specify how it will be obtained under anaerobic conditions.

3. The Quality Assurance Project Plan should be reviewed and updated as necessary.
4. Section 1.1, first paragraph, first sentence. Given one of the purposes of the work plan is to characterize potential deeper sources of contamination, include sampling at former sump locations.
5. Section 1.1, second paragraph, first sentence. Add “for further development” after the word “selected”.
6. Section 3.2, first paragraph, second sentence. Remove duplicate phrase “of a minimum”.

Thank you,

Matt

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From: Julie Konzuk <JKonzuk@Geosyntec.com>
Sent: Friday, September 3, 2021 2:47 PM
To: Ohl, Matthew <ohl.matthew@epa.gov>; Andrew A Gremos <agremos@ramboll.com>
Cc: Krueger, Thomas <krueger.thomas@epa.gov>; Knox, Corey S CIV (USA) <Corey.S.Knox@usace.army.mil>; Clabaugh, William B CIV USARMY CELRL (USA) <William.B.Clabaugh@usace.army.mil>; DPetroff <DPetroff@idem.IN.gov>; Norm Bernstein <nwbernstein@nwbllc.com>; pracher@psrb.com; Gary Wealthall <GWealthall@Geosyntec.com>; Becker, David J CIV USARMY CEHNC (USA) <Dave.J.Becker@usace.army.mil>
Subject: Envirochem: ECC Biorecirculation system pre-design investigation work plan

Matt,

Please find attached a work plan that outlines a proposed pre-design investigation program for the biorecirculation program proposed to be implemented at the ECC Site. This program has been developed to address some of the uncertainties identified by EPA in response to the RAA report and also to collect pre-design investigation necessary for design of the full-scale biorecirculation system. Please let me know if you have any issues with the file.

Have a great weekend.

Regards,

Julie

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